"ABSTRACT"

Two cordless battery chargers activating an electric vehicle that charges itself while being driver, and performing the activation of other devices, even Generating Stations. While two switches are mounted upon the first charger, these switches are activated when one surface is pressed by a user: activating the chargers simultaneously. The chargers actuate the vehicle's motor which actuates a 60 Hz frequency that charges each battery within the chargers. This system further includes a buck mode switching regulator for controlling the switches and a charge pump for having a positive gate drive voltage required by the switches. A battery charging current defined via a voltage across a 25-ohms resistor, and amplified via an op amp including positive voltage feedback. A chip maintains the charging current, and a circuit supplying the current to a separate load up to a limit set by a current sense transformer including a sense resistor.